

Successful District Study Report on Findings

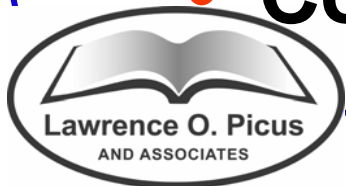
Prepared for
Washington Learns

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Contents

- **The successful district approach**
- **Criteria and benchmarks for success**
- **Fiscal data**
- **School district sample**
- **District performance on established criteria**
- **Average expenditures by performance**
- **Conclusions**



Successful District Approach

- **Establish criteria and benchmarks for success**
- **Identify districts meeting criteria**
- **Estimate the base average per pupil costs in those districts**
- **Consider adjustments**
 - **District and student characteristics**
 - **Outlier districts**



Washington's Standards

- **Four State Learning Goals**
 - Reading and writing skills
 - Core concepts of math, sciences, social studies, arts, health/fitness
 - Critical thinking skills
 - Post secondary and career planning



Washington's Standards

- **Assessment System**
- **Performance Standards**
 - WASL
 - On-time graduation rate
 - Unexcused absences
- **Comprehensive Report Card**
 - Performance on the WASL
 - Other district/school/student outcomes
 - District/school information



Data Availability

- **Data Systems**
 - **Student characteristics – ethnicity and poverty**
 - **State assessment participation and performance**
 - **Graduation and dropout rates**
 - **District revenues and expenditures**
 - **Census data on district locale**



Unreported Data

- **In some cases performance data by grade, subject or subgroup was not used because OSPI does not report performance data for groups smaller than 10. In these cases districts were assumed to have met the standard.**



Original Recommendations for Selection Criteria

- **Academic**
 - **Percent proficient or better on WASL math, reading, and reading/writing for grades 4, 7 & 10 (2003-05)**
- **Non-Academic**
 - **On-Time Graduation Rate (2003-05)**
- **Fiscal/Efficiency**
 - **Spending compared to state average (2003-05)**
- **District Characteristics**
 - **Locale CCD - urban/suburban/rural (2004)**



Final Selection Criteria Per Committee Input

- **36 criteria total, 12 for each of 3 years**
- **Academic (33 criteria)**
 - Percent proficient or better on WASL math, reading, and reading/writing for grades 4, 7 & 10 (2003-05)
 - Learning growth index for WASL math and reading (2003-05)
 - Achievement gap index for WASL math and reading (2003-05)
- **Non-Academic (3 criteria)**
 - On-Time Graduation Rate (2003-05)



Learning Growth and Achievement Gap Indices

- **Shows the average proficiency level of a district's students**
 - Based on percentage of students in each of 4 levels of proficiency and not tested
 - 1 index per district representing weighted average for reading and math for grades 4, 7 and 10
- **Achievement gap index shows annual change in the indices for two subgroups 1) American Indian, African American and Hispanic students and 2) Asian and White students**



Calculating the Learning Index

Performance	Percent Scoring	Multiplier	Weight
Not Tested	1.3	X 0	0
Level 1 Below Basic	4.9	X 1	4.9
Level 2 Basic	19.4	X 2	38.8
Level 3 Proficient	46.5	X 3	139.5
Level 4 Advanced	27.9	X 4	111.6
Index = Total/100			2.95



Additional Analyses

- **Examined per pupil spending by subgroups of districts**
 - **Quartiles of free and reduced-price lunch participation**
 - **District locale – urban, suburban or rural**
- **Compared district performance to both 2004-05 and 2007-08 benchmarks**
- **Analyzed districts meeting 36, 33, 30, 27, and 24 of the criteria**



Benchmarks of Success

- **2004-05**
- **Percent proficient on WASL (Uniform Bar Goals)**

	Gr 4	Gr 7	Gr 10
Math	47.3	38.0	43.6
Reading	64.2	47.6	61.5
Read/Write	56.0	50.0	56.0



Benchmarks of Success

- **2004-05**
 - Learning index/scale – year-to-year growth
 - Achievement gap index – year-to-year reductions in achievement gap between American Indian, African American and Hispanic students and white and Asian students
 - On-time graduation rate – meets or exceeds 66%



Benchmarks of Success

- **2007-08**
- **Percent proficient on WASL (Uniform Bar Goals)**

	Gr 4	Gr 7	Gr 10
Math	64.9	58.7	62.4
Reading	76.1	65.1	74.3
Read/Write	71.0	67.0	71.0



Benchmarks of Success

- **2007-08**
 - **Learning index/scale – same**
 - **Achievement gap index – same**
 - **On-time graduation rate – meets or exceeds 69%**



Fiscal Data Used

- **Used pupil-weighted average expenditures and revenues**
- **Basic Education Expenditures**
 - Basic education and district wide support
- **State Categorical Program Expenditures**
 - Special education, compensatory (LAP, student achievement, other), vocational, bilingual, highly capable, summer school, other
- **Federal Program Expenditures**
 - Special education, disadvantaged, Eisenhower PD, LEP/migrant, vocational, Indian Education, Reading First, school improvement
- **Revenues**
 - Local property tax and state Local Effort Assistance aid



Districts Excluded from Study

- **Districts that do not serve grades K-12**
- **Districts with fewer than 100 students**
- **Districts serving fewer than 10 students in a majority of grades**
- **This excludes:**
 - **63 of 296 districts (21%)**
 - **9,800 of 1.02 million students (1%)**



Final Sample of Districts

- **233 districts serving grades K-12**
 - 946,059 or 99% of students
- **Free & reduced price lunch quartiles**
 - Q1 = less than 26.3%, Q2 = 26.3%-39.6%, Q3 = 39.6%-52.9%, Q4 greater than 52.9%
- **Locale**
 - Urban – 21 districts
 - Suburban/Urban Fringe – 72 districts
 - Non-Urban City/Town – 27 districts
 - Rural – 113 districts

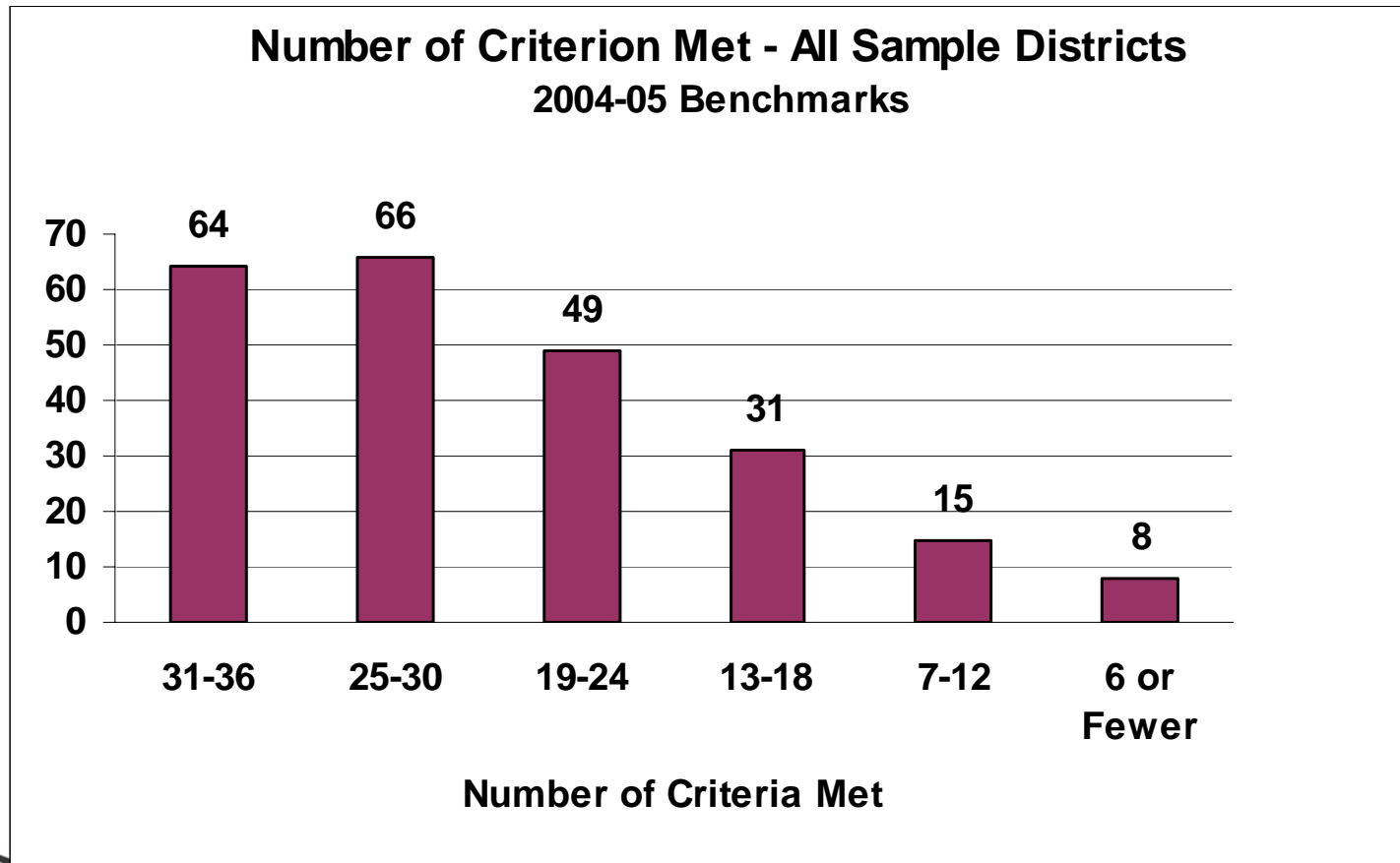


Fiscal Information for Sample Districts

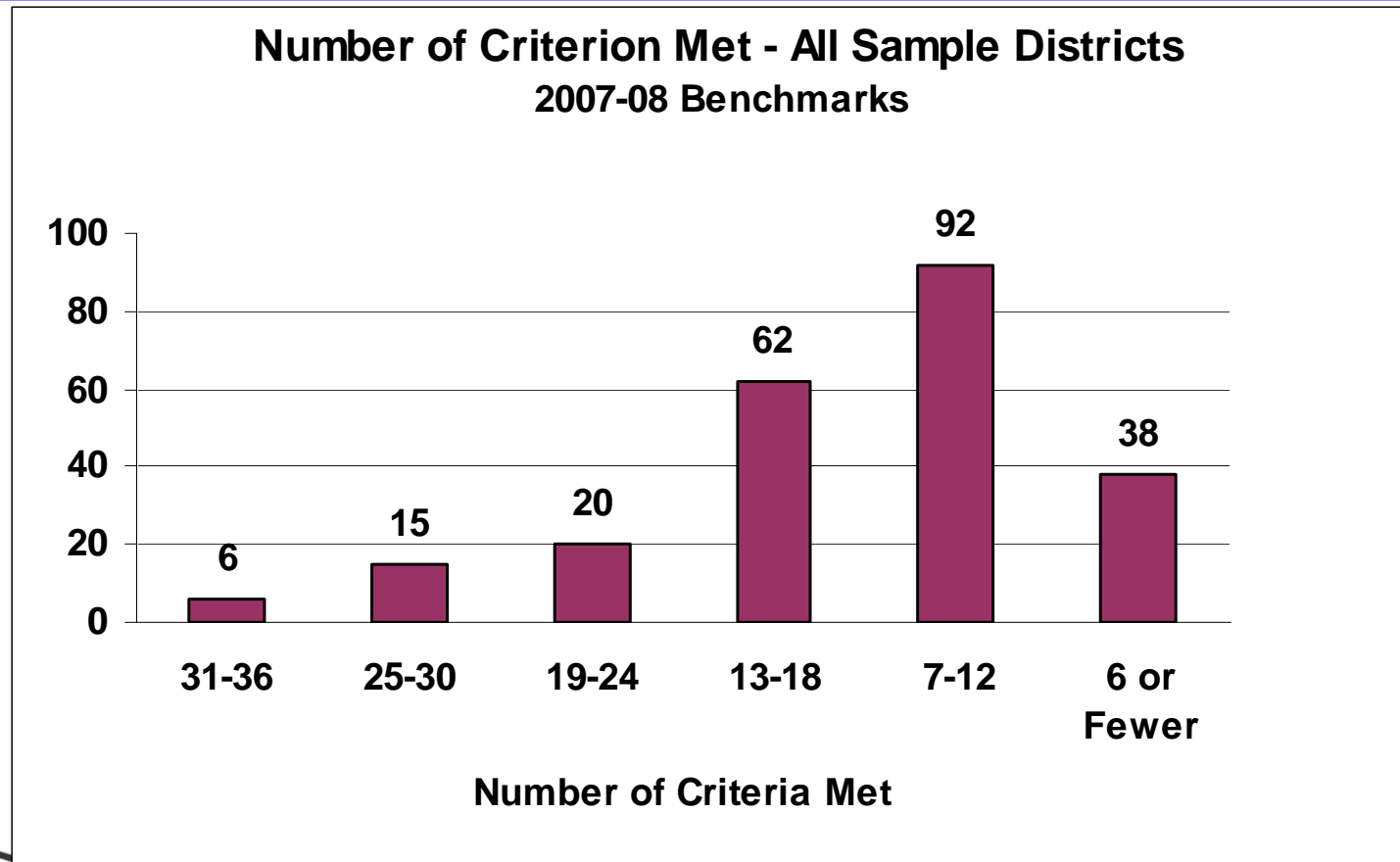
- **2004-05 actual expenditures for**
 - **Basic education: \$5.1 billion or \$5,402/pupil**
 - **State categorical: \$1.4 billion or \$1,432/pupil**
 - **Federal spending: \$473 million or \$500/pupil**
- **2004-05 local excess property tax and Local Effort Assistance aid**
 - **Property tax: \$1.2 billion or \$1,306/pupil**
 - **Local Effort aid: \$163 million or \$172/pupil**



Performance Data for Sample Districts 2004-05

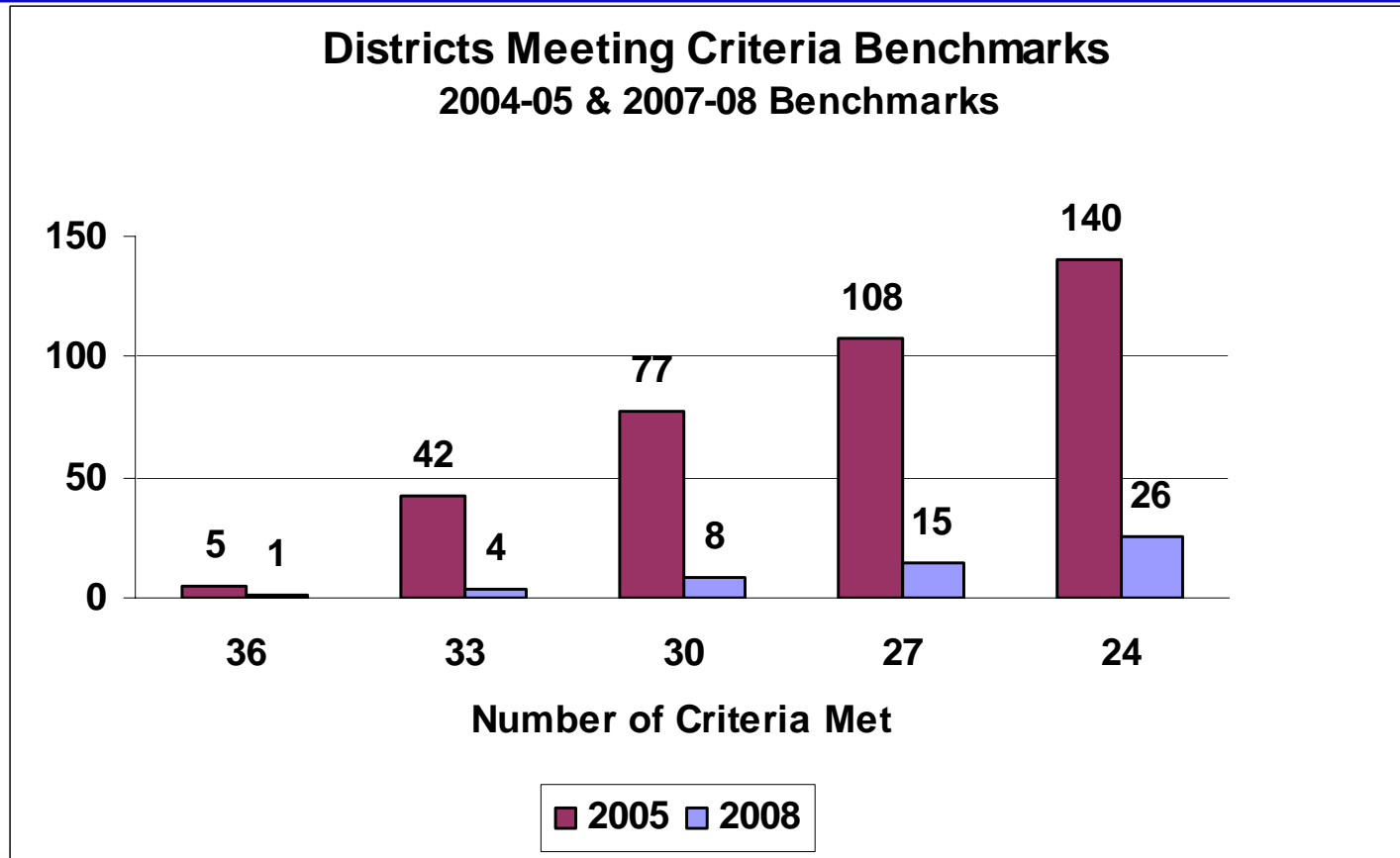


Performance Data for Sample Districts 2007-08

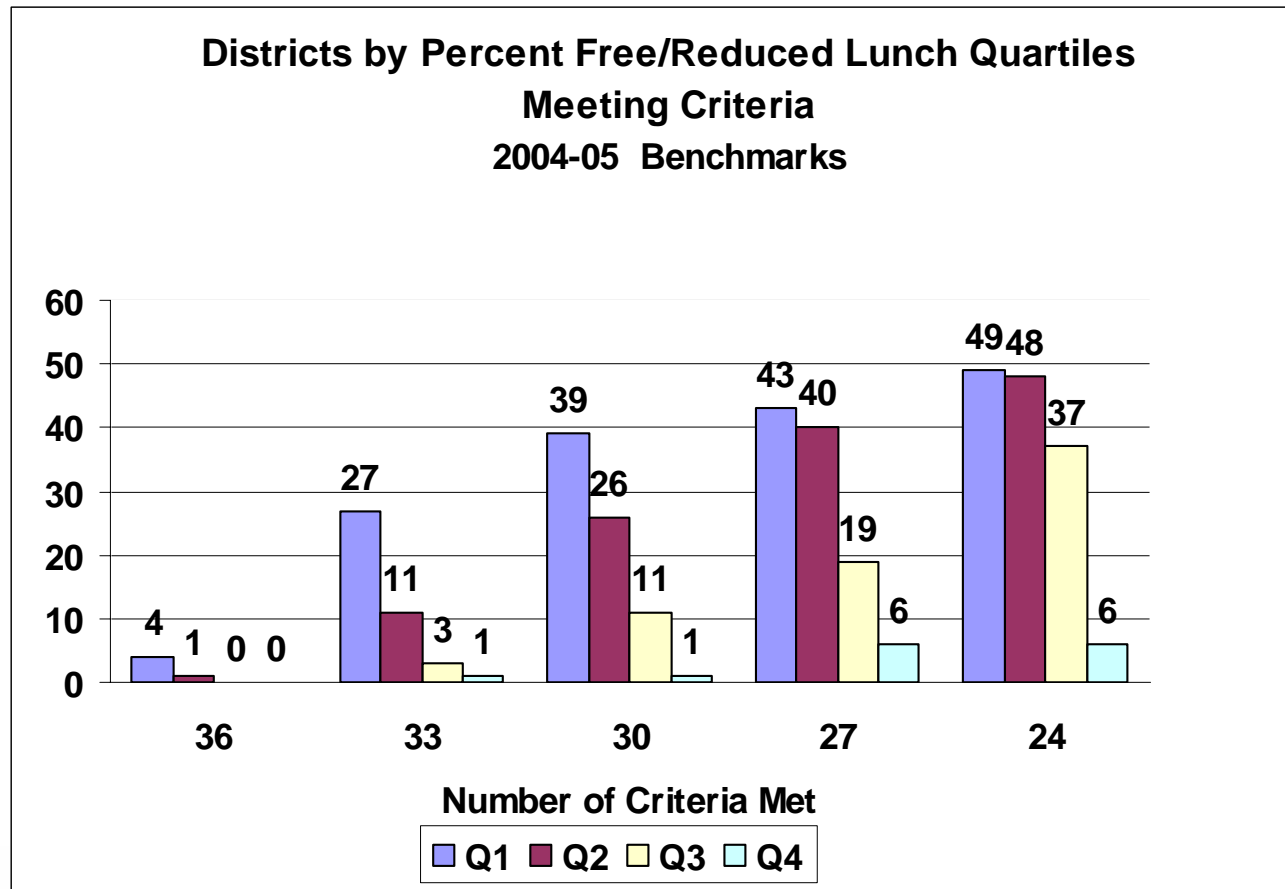


Performance on Benchmarks

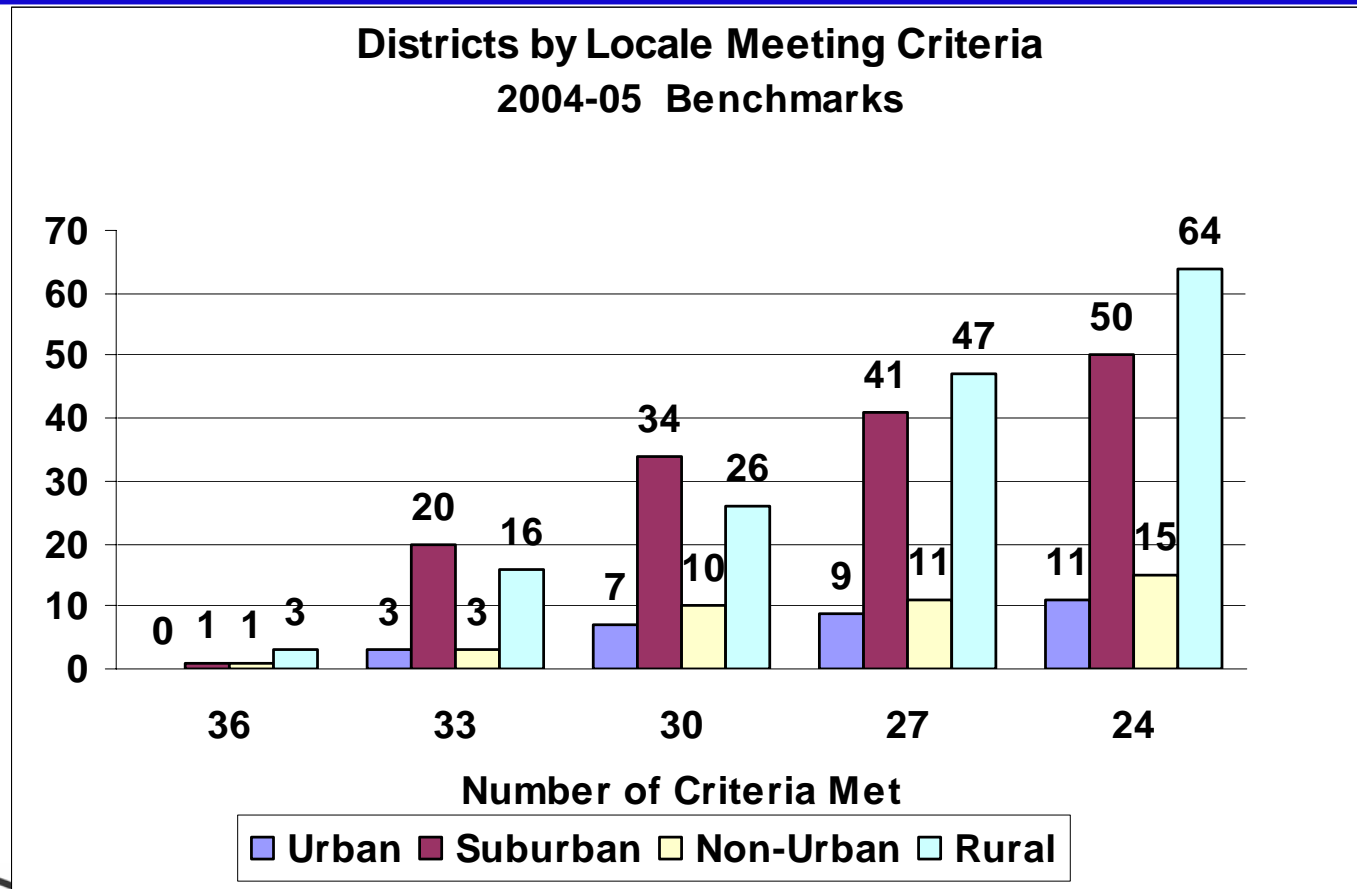
Number of Districts



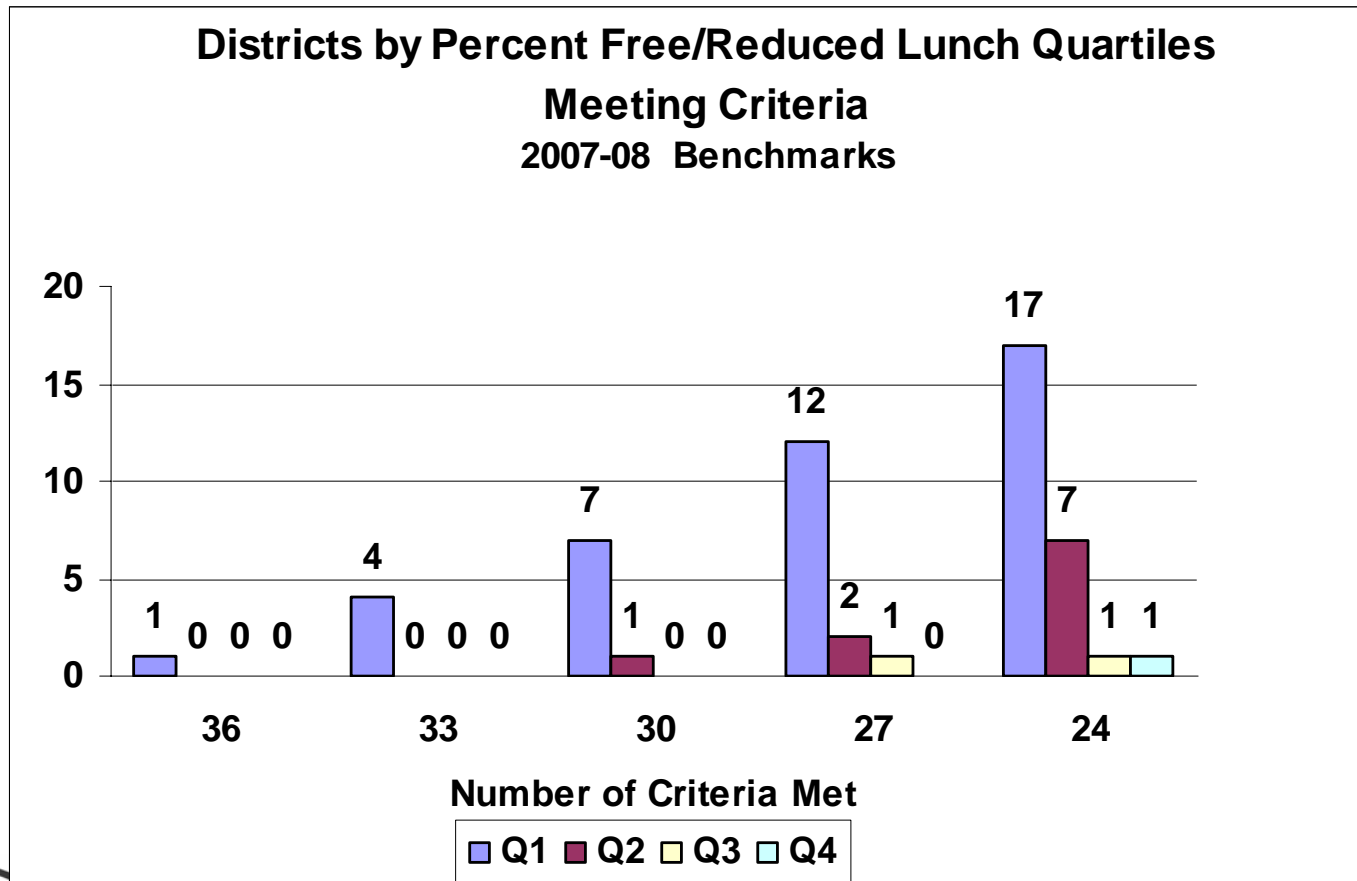
Performance on 2004-05 Benchmarks Districts by Poverty Quartiles



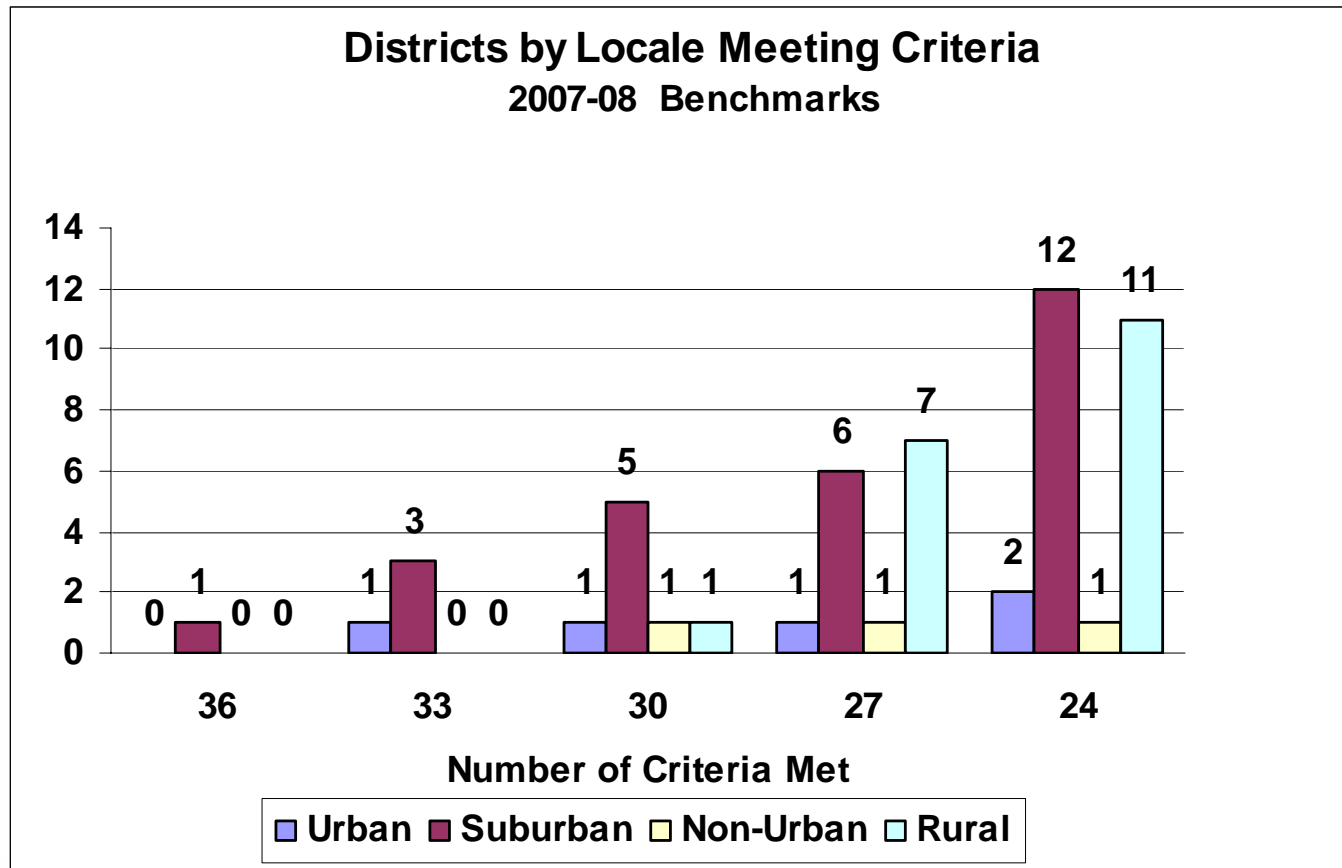
Performance on 2004-05 Benchmarks Districts by Locale



Performance on 2007-08 Benchmarks Districts by Poverty Quartiles



Performance on 2007-08 Benchmarks Districts by Locale

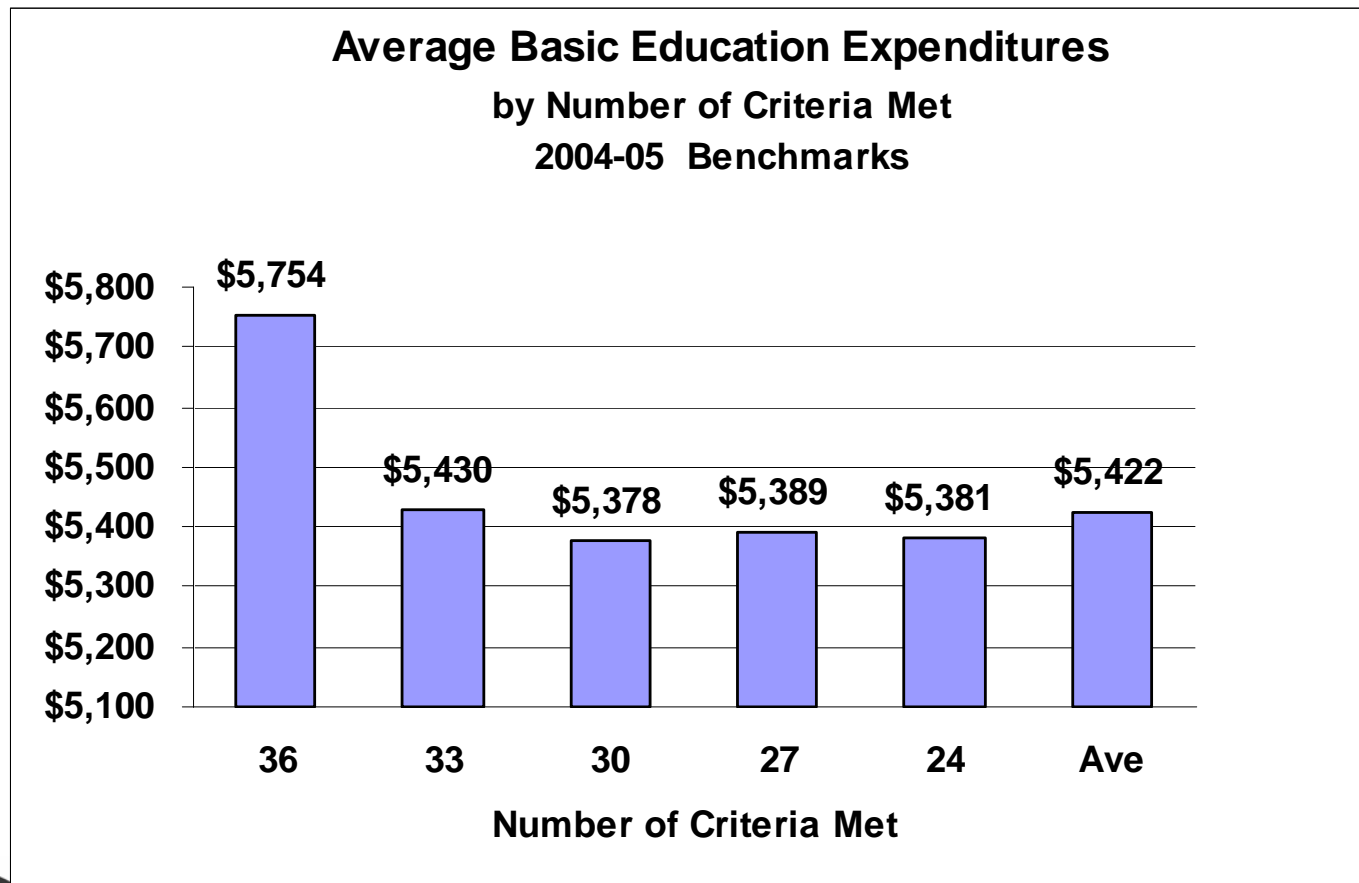


Average District Per Pupil Spending by Performance on 2004-05 Benchmarks

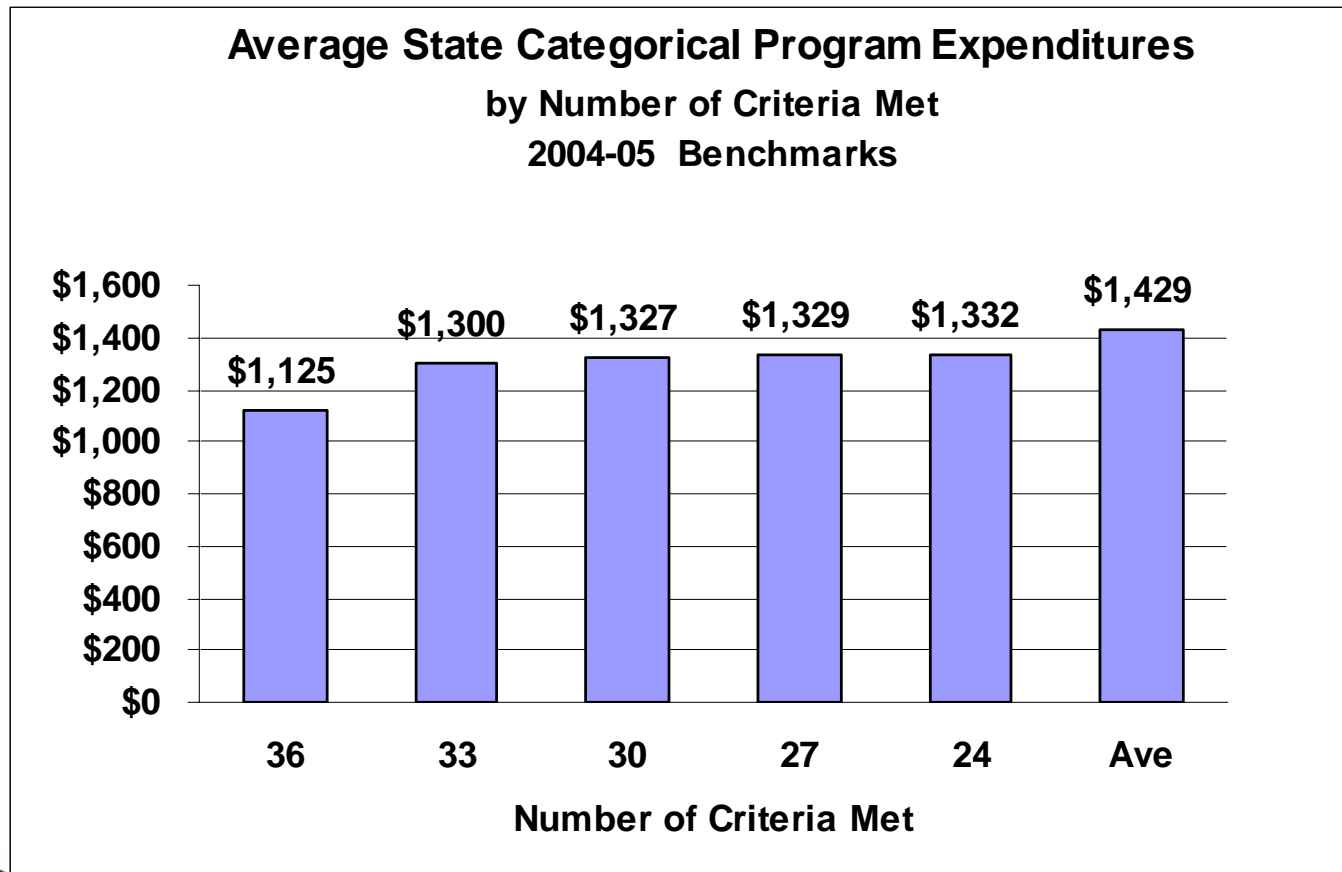
Criteria Met:	36	33	30	27	24	Avg
Basic Ed.	\$5,754	\$5,430	\$5,378	\$5,389	\$5,381	\$5,422
State Categorical	\$1,125	\$1,300	\$1,327	\$1,329	\$1,332	\$1,429
Total State	\$6,879	\$6,730	\$6,705	\$6,718	\$6,713	\$6,851
Federal Categorical	\$292	\$319	\$366	\$374	\$392	\$503
Total State & Federal	\$7,171	\$7,049	\$7,071	\$7,092	\$7,105	\$7,354



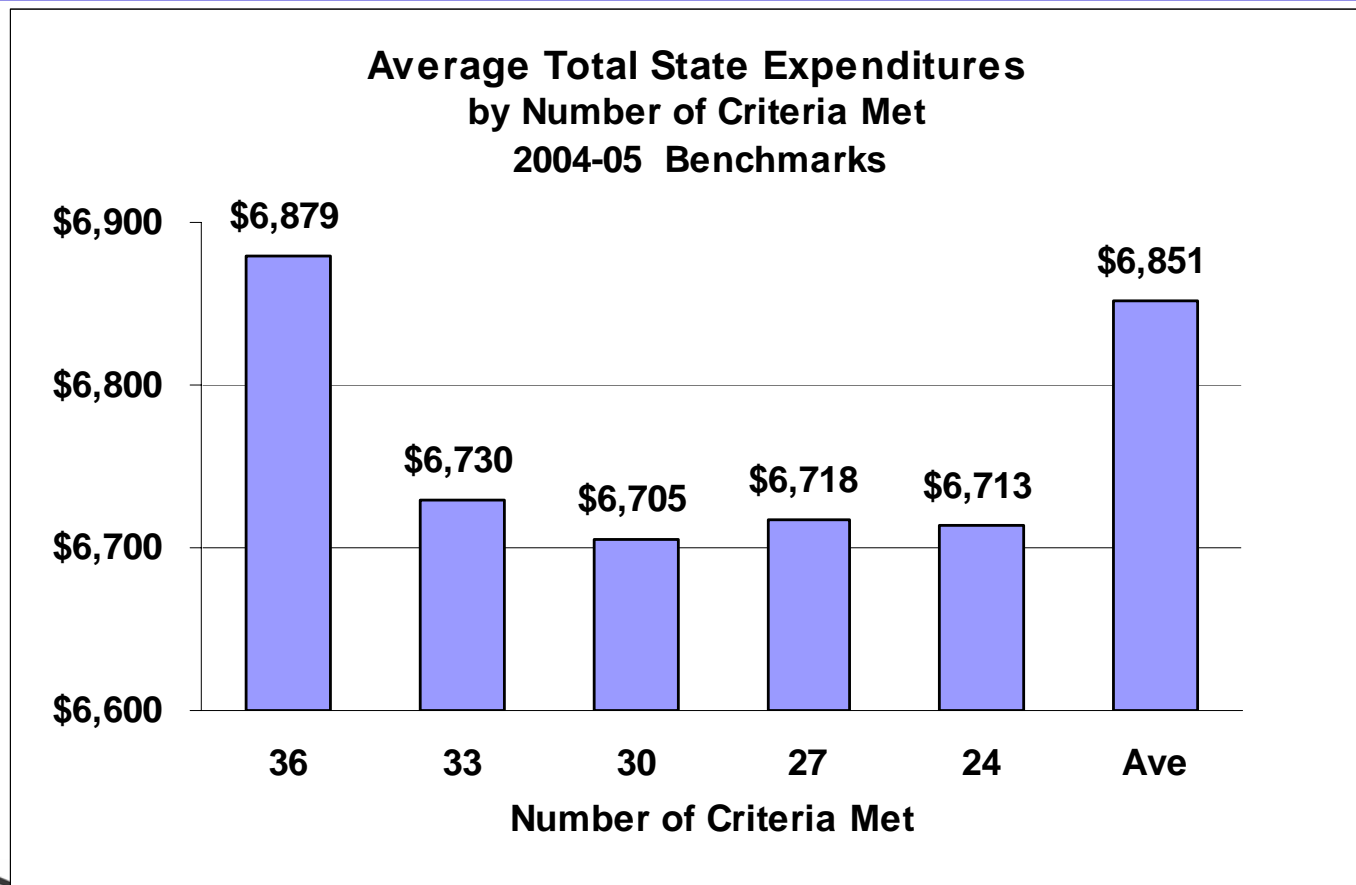
Average District Basic Ed. Expenditures by Performance on 2004-05 Benchmarks



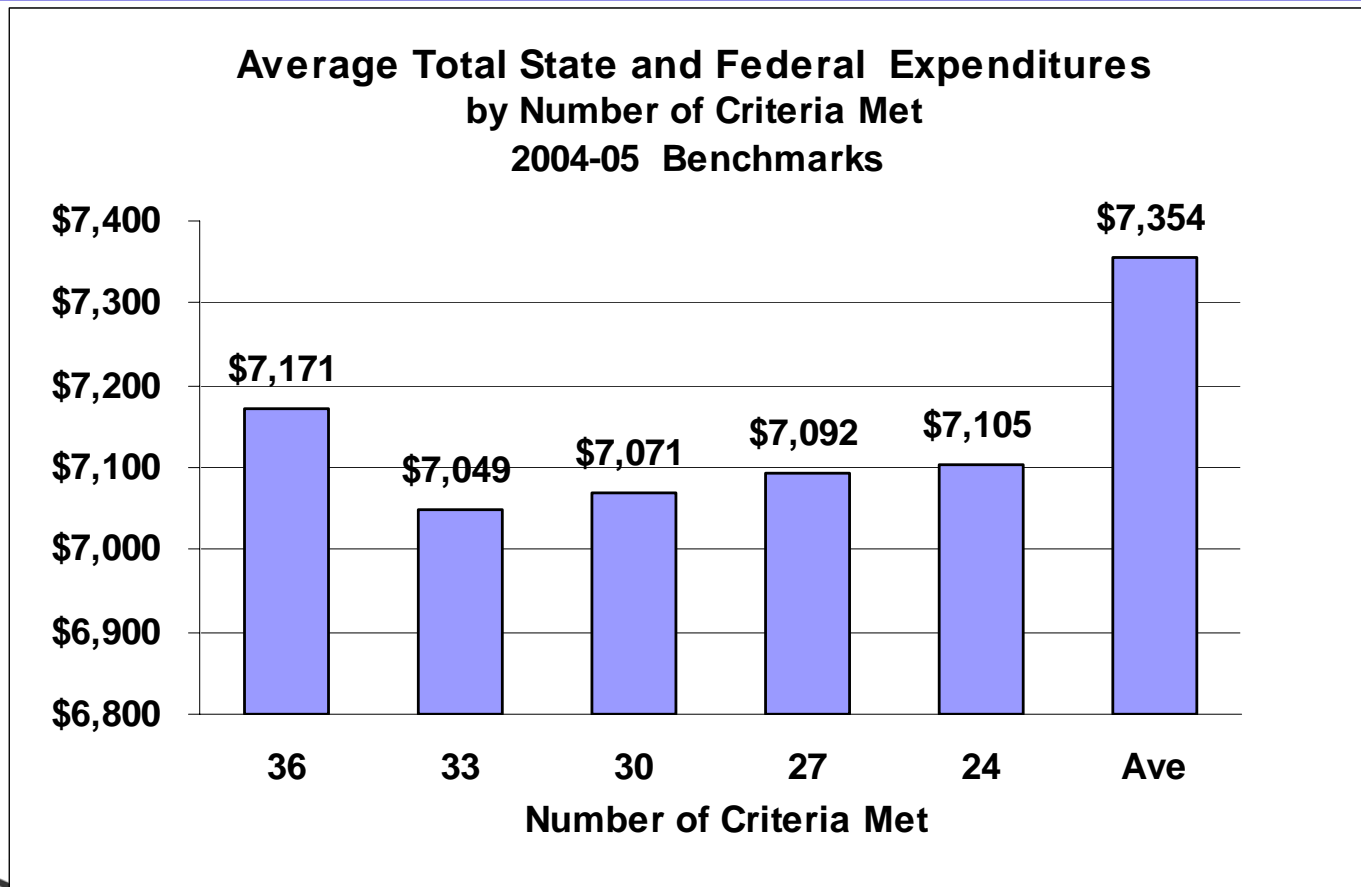
Average State Categorical Expenditures by Performance on 2004-05 Benchmarks



Average Total State Expenditures by Performance on 2004-05 Benchmarks



Average Total State & Federal Expenditures by Performance on 2004-05 Benchmarks



Basic Education Spending by Performance on 2004-05 Benchmarks by Poverty Quartiles

Criteria Met:	36	33	30	27	24
Quartile 1	\$5,715	\$5,435	\$5,382	\$5,378	\$5,365
Quartile 2	\$6,577*	\$5,361	\$5,360	\$5,376	\$5,360
Quartile 3	-	\$5,699	\$5,397	\$5,437	\$5,472
Quartile 4	-	\$9,186*	\$9,186*	\$6,474	\$6,474

***1 District**

State Average = \$5,422



Basic Education Spending by Performance on 2004-05 Benchmarks by Locale

Criteria Met:	36	33	30	27	24
Urban	-	\$5,565	\$5,530	\$5,508	\$5,517
Suburban	\$6,133*	\$5,378	\$5,307	\$5,309	\$5,285
Non-Urban	\$5,563*	\$5,322	\$5,345	\$5,358	\$5,414
Rural	\$5,498	\$5,771	\$5,758	\$5,719	\$5,648

***1 District**

State Average = \$5,422



Total State Spending by Performance on 2004-05 Benchmarks by Poverty Quartiles

Criteria Met:	36	33	30	27	24
Quartile 1	\$6,811	\$6,721	\$6,648	\$6,638	\$6,630
Quartile 2	\$8,278*	\$6,726	\$6,721	\$6,746	\$6,721
Quartile 3	-	\$6,971	\$6,898	\$6,917	\$6,924
Quartile 4	-	\$10,856*	\$10,856*	\$7,883	\$7,883

***1 District**

State Average = \$6,851



Total State Spending by Performance on 2004-05 Benchmarks by Locale

Criteria Met:	36	33	30	27	24
Urban	-	\$6,900	\$6,969	\$6,952	\$6,926
Suburban	\$7,125*	\$6,681	\$6,613	\$6,609	\$6,594
Non-Urban	\$6,781*	\$6,714	\$6,670	\$6,685	\$6,753
Rural	\$6,700	\$6,931	\$6,962	\$6,934	\$6,926

***1 District**

State Average = \$6,851



Total State & Federal Spending by Performance on 2004-05 Benchmarks by Poverty Quartiles

Criteria Met:	36	33	30	27	24
Quartile 1	\$7,088	\$7,017	\$6,946	\$6,941	\$6,933
Quartile 2	\$8,904*	\$7,127	\$7,134	\$7,156	\$7,146
Quartile 3	-	\$7,391	\$7,433	\$7,449	\$7,485
Quartile 4	-	\$11,439*	\$11,439*	\$8,675	\$8,675

***1 District**

State Average = \$7,354



Total State and Federal Spending by Performance on 2004-05 Benchmarks by Locale

Criteria Met:	36	33	30	27	24
Urban	-	\$7,249	\$7,439	\$7,393	\$7,396
Suburban	\$7,348*	\$6,980	\$6,940	\$6,945	\$6,937
Non-Urban	\$7,162*	\$7,258	\$7,157	\$7,176	\$7,289
Rural	\$7,011	\$7,272	\$7,330	\$7,349	\$7,359

***1 District**

State Average = \$7,354



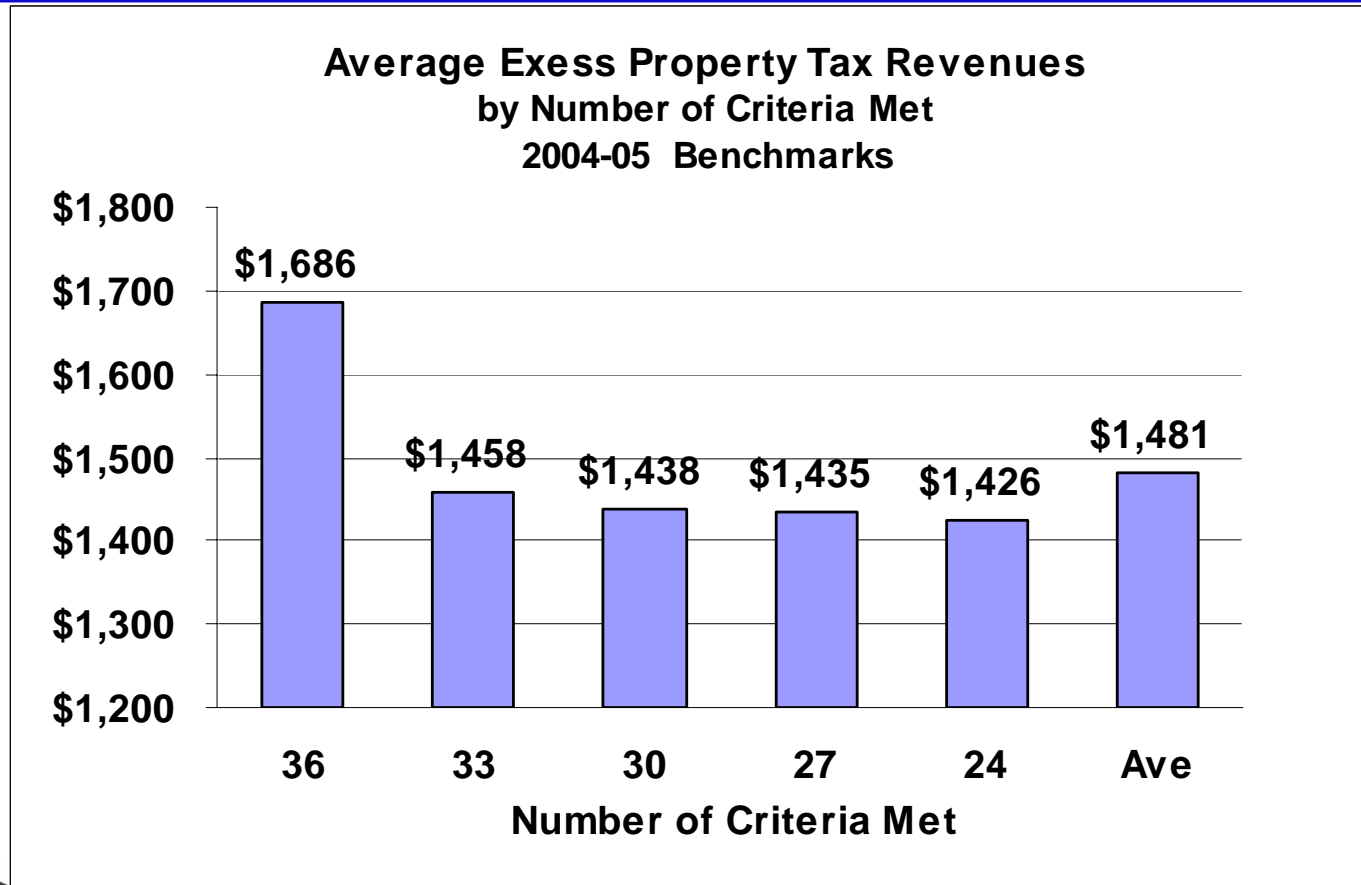
Average Excess M&O Revenues by Performance on 2004-05 Benchmarks

Criteria Met:	36	33	30	27	24
Property Tax	\$1,162	\$1,367	\$1,323	\$1,314	\$1,290
State LE Aid	\$24	\$91	\$115	\$121	\$136
Total Excess Revenues	\$1,686	\$1,458	\$1,438	\$1,435	\$1,426

State Averages:
Property Tax \$1,308
State LE Aid \$173
Total \$1,481



Average Property Tax & Local Effort Aid by Performance on 2004-05 Benchmarks



Excess M&O Revenues by Performance on 2004-05 Benchmarks by Poverty Quartiles

Criteria Met:	36	33	30	27	24
Quartile 1	\$1,684	\$1,463	\$1,433	\$1,431	\$1,425
Quartile 2	\$1,731*	\$1,441	\$1,414	\$1,418	\$1,420
Quartile 3	-	\$1,425	\$1,527	\$1,521	\$1,454
Quartile 4	-	\$2,292*	\$2,292*	\$1,155	\$1,155

***1 District**

State Average = \$1,481



Excess M&O Revenues by Performance on 2004-05 Benchmarks by Locale

Criteria Met:	36	33	30	27	24
Urban	-	\$1,604	\$1,595	\$1,553	\$1,548
Suburban	\$1,876*	\$1,440	\$1,422	\$1,424	\$1,413
Non-Urban	\$1,645*	\$1,422	\$1,090	\$1,116	\$1,190
Rural	\$1,529	\$1,403	\$1,418	\$1,358	\$1,334

***1 District**

State Average = \$1,481



Average District Spending by Performance on 2007-08 Benchmarks

Criteria Met:	36*	33	30	27	24
Basic Ed.	\$6,133	\$5,546	\$5,532	\$5,558	\$5,474
State Categorical	\$992	\$1,326	\$1,284	\$1,296	\$1,281
Total State	\$7,125	\$6,872	\$6,816	\$6,854	\$6,755
Federal Categorical	\$224	\$271	\$276	\$280	\$295
Total State & Federal	\$7,348	\$7,143	\$7,092	\$7,134	\$7,049



***1 District**

Average Excess M&O Revenues by Performance on 2007-08 Benchmarks

Criteria Met:	36*	33	30	27	24
Property Tax	\$1,876	\$1,600	\$1,542	\$1,545	\$1,435
State LE Aid	\$0	\$0	\$3	\$10	\$63
Total Excess Revenues	\$1,876	\$1,600	\$1,545	\$1,555	\$1,498

***1 District**



Conclusions

- **Washington's school districts are not well positioned to meet higher performance standards on the horizon**
 - Only 5 districts met all 36 2004-05 criteria
 - Only a quarter met more than 30 out of 36 criteria
 - Just over half met 25 or more criteria
 - Only 1 district met all 36 2007-08 criteria
 - Fewer than 10% of districts met 25 or more of the 2007-08 criteria



Conclusions

- **Higher performing districts tend to have lower poverty and be suburban or rural**
 - **No urban districts or districts from the top 2 poverty quartiles met all 36 criteria for 2004-05**
 - **Only 1 of these districts met at least 30 criteria**
 - **Only 6 districts from the top 2 poverty quartiles met at least 24 criteria for 2004-05**
 - **Only 2 districts from the top 2 poverty quartiles met at least 27 criteria for 2007-08**
 - **Only 2 urban districts met at least 24 of the 2007-08 criteria**



Conclusions

- Depending on the benchmarks used and the number of criteria met, average basic education per pupil spending ranged from \$5,400-\$6,000 (average of \$5,600)
- State categorical program spending averaged another \$1,100 to \$1,300 per pupil
- Average total per pupil state spending ranged from \$6,700-\$7,100
- Spending for Federal programs ranged from \$225-\$390 per pupil
- Total state and Federal spending ranged from \$7,000-\$7,300



Conclusions

- **Highest performing districts tended to spend slightly more per pupil**
 - **Per pupil basic education spending for these district tended to be higher while categoricals tended to be lower**
 - **These districts tended to have somewhat higher property tax revenues – about \$200-\$300/pupil**
 - **Spending for Federal programs ranged from \$225-\$390 per pupil**



Conclusions

- **Higher poverty districts spent more per pupil than lower poverty districts regardless of performance level**
- **Urban and rural districts also spent more per pupil than suburban districts**



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